ELSEVIER

1 May 2002

Optics Communications 205 (2002) 449–455

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 205

Adachi, T., see Nagamura, T. 205 (2002) 107
Agate, B., B. Stormont, A.J. Kemp, C.T.A. Brown, U. Keller and W. Sibbett, Simplified cavity designs for efficient and compact femtosecond Cr:LiSAF lasers 205 (2002) 207
Aneeshkumar, B., see Thomas Lee, S. 205 (2002) 253
Asundi, A., see Wang, J. 205 (2002) 43
Auerbach, M., see Weßels, P. 205 (2002) 215

Barrington, S.J., see Hendricks, J.M. 205 (2002) 197
Barsella, A. and C. Lepers, Chaotic lag synchronization and pulse-induced transient chaos in lasers coupled by saturable absorber 205 (2002) 397
Besnard, P., F. Ginovart, P. Le Boudec, F. Sanchez and G.M. Stéphan, Experimental and theoretical study of bifurcation diagrams of a dual-wavelength erbium-doped fiber laser 205 (2002) 187
Blow, K.J., see Boscolo, S. 205 (2002) 277
Boscolo, S., S.K. Turitsyn and K.J. Blow, All-optical passive quasi-regeneration in transoceanic 40 Gbit/s return-to-zero transmission systems with strong dispersion management 205 (2002) 277
Brown, C.T.A., see Agate, B. 205 (2002) 207
Buckley, E., see Canning, J. 205 (2002) 95

Canning, J., E. Buckley, K. Lyttikainen and T. Ryan, Wavelength dependent leakage in a Fresnel-based air–silica structured optical fibre 205 (2002) 95
Castañeda, R., see Garcia-Sucerquia, J. 205 (2002) 239
Chan, W.K., see Djurišić, A.B. 205 (2002) 155
Chapman, H.N. and K.A. Nugent, X-ray pulse compression using strained crystals 205 (2002) 351
Chen, L.R., Design of flat-top bandpass filters based on symmetric multiple phase-shifted long-period fiber gratings 205 (2002) 271
Chen, M., see Jia, Z. 205 (2002) 265
Chen, X., see Feng, J. 205 (2002) 71
Chen, Y.-K., see Hsu, S. 205 (2002) 293
Chiang, H.-P., A.H. La Rosa, P.T. Leung, K.P. Li and W.S. Tse, Optical spectroscopy for single-molecules near a microstructure at varying substrate temperatures 205 (2002) 343
Chung, S., see Kim, J. 205 (2002) 321
Czeranowsky, C., M. Schmidt, E. Heumann, G. Huber, S. Kutovoi and Y. Zavartsev, Continuous wave diode pumped intracavity doubled Nd : $GdVO_4$ laser with 840 mW output power at 456 nm 205 (2002) 361

Damzen, M.J., see Hendricks, J.M. 205 (2002) 197
Damzen, M.J., see Petris, A. 205 (2002) 437

PII: S0030-4018(02)01461-X

Dändliker, R., see Nesci, A. 205 (2002) 229
Daryan, A.V., see Karapetyan, G.G. 205 (2002) 421
de Oliveira, R.S., see Melo, A.M. 205 (2002) 299
Dixit, N., D.D. Shah and R. Vijaya, Optimization study for the generation of high-bit-rate spectrally enriched pulses for WDM applications 205 (2002) 281
Djurišić, A.B., C.Y. Kwong, T.W. Lau, W.L. Guo, E.H. Li, Z.T. Liu, H.S. Kwok, L.S.M. Lam and W.K. Chan, Optical properties of copper phthalocyanine 205 (2002) 155
Dong, Y., see Jia, Z. 205 (2002) 265
Dorren, H.J.S., G.D. Khoe and D. Lenstra, All-optical switching of an ultrashort pulse using a semiconductor optical amplifier in a Sagnac-interferometric arrangement 205 (2002) 247
Driben, R., A. Orenstein and B.A. Malomed, Stable pulses in a split-step lossy fiber link with lumped amplification and synchronous modulation 205 (2002) 139
Duarte, F.J., Secure interferometric communications in free space 205 (2002) 313
Dvornikov, A.S., see Oulianov, D.A. 205 (2002) 427

Eason, R.W., see Hendricks, J.M. 205 (2002) 197
Elkin, N.N., see Wrage, M. 205 (2002) 367
El-Osealy, M.A.M., T. Jitsuno, K. Nakamura and S. Horiguchi, Gain characteristics of longitudinally excited F_2 lasers 205 (2002) 377

Fajardo, J.C., see Ouzounov, D. 205 (2002) 227
Fallnich, C., see Weßels, P. 205 (2002) 215
Fan, C., see Feng, J. 205 (2002) 71
Fang, G., Y. Mo, Y. Song, Y. Wang, C. Li and L. Song, Nonlinear refractive properties of organometallic fullerene-C_{60} derivatives 205 (2002) 337
Feng, J., X. Chen, C. Fan, X. Li, X. Li, K. Xu and S. Xie, A novel method to achieve various equivalent chirp profiles in sampled Bragg gratings using uniform-period phase masks 205 (2002) 71
Fischer, D., see Wrage, M. 205 (2002) 367

Gaeta, A.L., see Ouzounov, D. 205 (2002) 227
Gan, C., see Zhang, Y. 205 (2002) 163
Gaponenko, S.V., S.V. Zhukovsky, A.V. Lavrinenko and K.S. Sandomirskii, Propagation of waves in layered structures viewed as number recognition 205 (2002) 49
Garcia-Sucerquia, J., R. Castañeda and F.F. Medina, Fresnel–Fraunhofer diffraction and spatial coherence 205 (2002) 239
Gevorgyan, N.E., see Karapetyan, G.G. 205 (2002) 421
Ginovart, F., see Besnard, P. 205 (2002) 187
Glas, P., see Wrage, M. 205 (2002) 367
Grobe, R., see Menon, S. 205 (2002) 25
Guo, W.L., see Djurišić, A.B. 205 (2002) 155

Hendricks, J.M., D.I. Hillier, S.J. Barrington, D.P. Shepherd, R.W. Eason, M.J. Damzen, A. Minassian and B. Thompson, Power scaling of continuous-wave adaptive gain-grating laser resonators 205 (2002) 197
Herzig, H.P., see Nesci, A. 205 (2002) 229
Heumann, E., see Czeranowsky, C. 205 (2002) 361
Hillier, D.I., see Hendricks, J.M. 205 (2002) 197

Homoelle, D., see Ouzounov, D. 205 (2002) 227
Horiguchi, S., see El-Osealy, M.A.M. 205 (2002) 377
Hou, X., see Zhang, Y. 205 (2002) 163
Hough, J., see Jennrich, O. 205 (2002) 405
Hsu, S., L.-H. Su and Y.-K. Chen, Optically gain-clamped wideband erbium-doped fiber amplifier using a common figure-eight feedback-loop lasing light 205 (2002) 293
Huber, G., see Czeranowsky, C. 205 (2002) 361

Iizuka, F., see Nagamura, T. 205 (2002) 107

Jennrich, O., G. Newton, K.D. Skeldon and J. Hough, A high power photodetection system for use with laser interferometric gravitational wave detectors 205 (2002) 405
Jeong, K., see Kim, J. 205 (2002) 321
Jha, A., see Shen, S. 205 (2002) 101
Jia, Z., M. Chen, K. Xu, Y. Dong and S. Xie, Performance analysis of optical label eraser 205 (2002) 265
Jitsuno, T., see El-Osealy, M.A.M. 205 (2002) 377

Kapoustine, V.V., D.G. Sannikov and A.V. Kazakevitch, lnfluence of annealing on the diffusion characteristics and optical losses of multimode Ag^{+}-glass waveguides 205 (2002) 87
Karapetyan, G.G., A.V. Daryan, D.M. Meghavoryan and N.E. Gevorgyan, Theoretical investigation of active fiber Bragg grating 205 (2002) 421
Katayama, I., see Nakamura, T. 205 (2002) 329
Kazakevitch, A.V., see Kapoustine, V.V. 205 (2002) 87
Keller, U., see Agate, B. 205 (2002) 207
Kemp, A.J., see Agate, B. 205 (2002) 207
Khaidukov, N.M., S.K. Lam, D. Lo and V.N. Makhov, Observation of Time-transient spectral narrowing at 309 nm in Ce^{3+} doped SrF_2 crystal 205 (2002) 415
Khoe, G.D., see Dorren, H.J.S. 205 (2002) 247
Kim, J., J. Park, S. Chung, N. Park, B. Lee and K. Jeong, Bidirectional wavelength add/drop multiplexer using two separate MUX and DEMUX pairs and reflection-type comb filters 205 (2002) 321
Kim, K.T. and J.W. Song, Investigation of thermo-optically tunable fiber-to-planar waveguide coupler 205 (2002) 113
Koch, K.W., see Ouzounov, D. 205 (2002) 227
Köysal, O., D. Önal, S. Özder and F. Necati Ecevit, Thickness measurement of dielectric films by wavelength scanning method 205 (2002) 1
Kutovoi, S., see Czeranowsky, C. 205 (2002) 361
Kwok, H.S., see Djurišić, A.B. 205 (2002) 155
Kwong, C.Y., see Djurišić, A.B. 205 (2002) 155

La Rosa, A.H., see Chiang, H.-P. 205 (2002) 343
Lam, L.S.M., see Djurišić, A.B. 205 (2002) 155
Lam, S.K., see Khaidukov, N.M. 205 (2002) 415
Lau, T.W., see Djurišić, A.B. 205 (2002) 155
Lavrinenko, A.V., see Gaponenko, S.V. 205 (2002) 49
Le Boudec, P., see Besnard, P. 205 (2002) 187
Lee, B., see Kim, J. 205 (2002) 321

Leitner, M., see Wrage, M. 205 (2002) 367
Lenstra, D., see Dorren, H.J.S. 205 (2002) 247
Lepers, C., see Barsella, A. 205 (2002) 397
Leung, P.T., see Chiang, H.-P. 205 (2002) 343
Li, C., see Fang, G. 205 (2002) 337
Li, C., see Zhang, Y. 205 (2002) 163
Li, E.H., see Djurišić, A.B. 205 (2002) 155
Li, K.P., see Chiang, H.-P. 205 (2002) 343
Li, X., see Feng, J. 205 (2002) 71
Li, X., see Feng, J. 205 (2002) 71
Li, Z., see Tian, H. 205 (2002) 221
Lima, J.L.S., see Melo, A.M. 205 (2002) 299
Liu, Z.T., see Djurišić, A.B. 205 (2002) 155
Lo, D., see Khaidukov, N.M. 205 (2002) 415
Lü, B. and L. Pan, Propagation of vector Gaussian–Schell-model beams through a paraxial optical ABCD system 205 (2002) 7
Lu, K., see Zhang, Y. 205 (2002) 163
Lyttikainen, K., see Canning, J. 205 (2002) 95

Makhov, V.N., see Khaidukov, N.M. 205 (2002) 415
Mäkinen, M.O.A., see Peiponen, K.-E. 205 (2002) 17
Malomed, B.A., see Driben, R. 205 (2002) 139
Mandel, S.M., see Menon, S. 205 (2002) 25
McKinstrie, C.J., Frequency shifts caused by collisions between pulses in dispersion-managed systems 205 (2002) 123
Medina, F.F., see Garcia-Sucerquia, J. 205 (2002) 239
Meghavoryan, D.M., see Karapetyan, G.G. 205 (2002) 421
Melo, A.M., J.L.S. Lima, R.S. de Oliveira and A.S.B. Sombra, Photonic time-division multiplexing (OTDM) using ultrashort picosecond pulses in a terahertz optical asymmetric demultiplexer (TOAD) 205 (2002) 299
Menon, S., S.M. Mandel, Q. Su and R. Grobe, Point scatterer phase approximation for electromagnetic and intensity waves in random media 205 (2002) 25
Minassian, A., see Hendricks, J.M. 205 (2002) 197
Miridonov, S.V., see Spirin, V.V. 205 (2002) 37
Mo, Y., see Fang, G. 205 (2002) 337
Murukeshan, V.M., see Wang, J. 205 (2002) 43

Naftaly, M., see Shen, S. 205 (2002) 101
Nagamura, T., K. Sasaki, F. Iizuka, T. Adachi and I. Yoshida, Ultrafast all-optical spatial light modulation based on complex refractive index changes of copper phthalocyanine-doped polymer film upon photoexcitation in guided mode geometry 205 (2002) 107
Nakamura, K., see El-Osealy, M.A.M. 205 (2002) 377
Nakamura, T., M. Wada, K. Okada, I. Katayama, S. Ohtani and H.A. Schuessler, Precision spectroscopy of the Zeeman splittings of the $^{9}Be^{+}2^{2}S_{1/2}$ hyperfine structure for nuclear structure studies 205 (2002) 329
Nampoori, V.P.N., see Thomas Lee, S. 205 (2002) 253
Napartovich, A.P., see Wrage, M. 205 (2002) 367
Necati Ecevit, F., see Köysal, O. 205 (2002) 1

Nesci, A., R. Dändliker, M. Salt and H.P. Herzig, Measuring amplitude and phase distribution of fields generated by gratings with sub-wavelength resolution 205 (2002) 229
Neviere, M., see Reinisch, R. 205 (2002) 59
Newton, G., see Jennrich, O. 205 (2002) 405
Nugent, K.A., see Chapman, H.N. 205 (2002) 351

Ohtani, S., see Nakamura, T. 205 (2002) 329
Okada, K., see Nakamura, T. 205 (2002) 329
Önal, D., see Köysal, O. 205 (2002) 1
Orenstein, A., see Driben, R. 205 (2002) 139
Oulianov, D.A., A.S. Dvornikov and P.M. Rentzepis, Optical limiting and picosecond relaxation of carbocyanines upper electronic states 205 (2002) 427
Ouzounov, D., D. Homoelle, W. Zipfel, W.W. Webb, A.L. Gaeta, J.A. West, J.C. Fajardo and K.W. Koch, Dispersion measurements of microstructured fibers using femtosecond laser pulses [Opt. Commun. 192 (2001) 219–223] 205 (2002) 227
Özder, S., see Köysal, O. 205 (2002) 1

Pan, L., see Lü, B. 205 (2002) 7
Park, J., see Kim, J. 205 (2002) 321
Park, N., see Kim, J. 205 (2002) 321
Peiponen, K.-E., E.M. Vartiainen, J.J. Saarinen and M.O.A. Mäkinen, The dispersion theory of optically linear and nonlinear Bruggeman liquids 205 (2002) 17
Petris, A., M.J. Damzen and V.I. Vlad, Adaptive self-aligning, bi-directional interconnection using double phase conjugation in Rh:$BaTiO_3$ 205 (2002) 437
Popov, E., see Reinisch, R. 205 (2002) 59

Radhakrishnan, P., see Thomas Lee, S. 205 (2002) 253
Reinisch, R., M. Neviere, G. Tayeb and E. Popov, Symmetry relations for reflection and transmission coefficients of magneto-optic systems 205 (2002) 59
Rentzepis, P.M., see Oulianov, D.A. 205 (2002) 427
Riza, N.A., see Sumriddetchkajorn, S. 205 (2002) 77
Ryan, T., see Canning, J. 205 (2002) 95

Saarinen, J.J., see Peiponen, K.-E. 205 (2002) 17
Saldin, E.L., E.A. Schneidmiller and M.V. Yurkov, Scheme for time-resolved experiments based on the generation of femtosecond pulses by a sideband-seeded soft X-Ray SASE FEL 205 (2002) 385
Salt, M., see Nesci, A. 205 (2002) 229
Sanchez, F., see Besnard, P. 205 (2002) 187
Sandomirskii, K.S., see Gaponenko, S.V. 205 (2002) 49
Sannikov, D.G., see Kapoustine, V.V. 205 (2002) 87
Sasaki, K., see Nagamura, T. 205 (2002) 107
Schmidt, M., see Czeranowsky, C. 205 (2002) 361
Schneidmiller, E.A., see Saldin, E.L. 205 (2002) 385
Schuessler, H.A., see Nakamura, T. 205 (2002) 329
Shah, D.D., see Dixit, N. 205 (2002) 281

Shen, S., M. Naftaly and A. Jha, Tungsten–tellurite—a host glass for broadband EDFA 205 (2002) 101
Shepherd, D.P., see Hendricks, J.M. 205 (2002) 197
Shlyagin, M.G., see Spirin, V.V. 205 (2002) 37
Sibbett, W., see Agate, B. 205 (2002) 207
Skeldon, K.D., see Jennrich, O. 205 (2002) 405
Sombra, A.S.B., see Melo, A.M. 205 (2002) 299
Song, J.W., see Kim, K.T. 205 (2002) 113
Song, L., see Fang, G. 205 (2002) 337
Song, Y., see Fang, G. 205 (2002) 337
Spirin, V.V., M.G. Shlyagin, S.V. Miridonov and P.L. Swart, Alarm-condition detection and localization using Rayleigh scattering for a fiber-optic bending sensor with an unmodulated light source 205 (2002) 37
Stéphan, G.M., see Besnard, P. 205 (2002) 187
Stormont, B., see Agate, B. 205 (2002) 207
Su, L.-H., see Hsu, S. 205 (2002) 293
Su, Q., see Menon, S. 205 (2002) 25
Sumriddetchkajorn, S. and N.A. Riza, Fault-tolerant three-port fiber-optic attenuator using small tilt micromirror device 205 (2002) 77
Sun, Z., see Zhao, Q. 205 (2002) 257
Swart, P.L., see Spirin, V.V. 205 (2002) 37

Tayeb, G., see Reinisch, R. 205 (2002) 59
Thomas Lee, S., B. Aneeshkumar, P. Radhakrishnan, C.P.G. Vallabhan and V.P.N. Nampoori, A microbent fiber optic pH sensor 205 (2002) 253
Thompson, B., see Hendricks, J.M. 205 (2002) 197
Tian, H., Z. Li and G. Zhou, Stable propagation of ultrashort optical pulses in modified higher-order nonlinear Schroedinger equation 205 (2002) 221
Troshchieva, V.N., see Wrage, M. 205 (2002) 367
Tse, W.S., see Chiang, H.-P. 205 (2002) 343
Turitsyn, S.K., see Boscolo, S. 205 (2002) 277

Vallabhan, C.P.G., see Thomas Lee, S. 205 (2002) 253
Vartiainen, E.M., see Peiponen, K.-E. 205 (2002) 17
Vijaya, R., see Dixit, N. 205 (2002) 281
Vlad, V.I., see Petris, A. 205 (2002) 437
Vysotsky, D.V., see Wrage, M. 205 (2002) 367

Wada, M., see Nakamura, T. 205 (2002) 329
Wang, J., V.M. Murukeshan and A. Asundi, A novel curvature fringe extraction method from speckle slope fringes 205 (2002) 43
Wang, Y., see Fang, G. 205 (2002) 337
Weßels, P., M. Auerbach and C. Fallnich, Narrow-linewidth master oscillator fiber power amplifier system with very low amplified spontaneous emission 205 (2002) 215
Webb, W.W., see Ouzounov, D. 205 (2002) 227
West, J.A., see Ouzounov, D. 205 (2002) 227
Wrage, M., P. Glas, D. Fischer, M. Leitner, N.N. Elkin, D.V. Vysotsky, A.P. Napartovich and V.N. Troshchieva, Phase-locking of a multicore fiber laser by wave propagation through an annular waveguide 205 (2002) 367

Xie, S., see Feng, J. 205 (2002) 71
Xie, S., see Jia, Z. 205 (2002) 265
Xu, K., see Feng, J. 205 (2002) 71
Xu, K., see Jia, Z. 205 (2002) 265

Yoshida, I., see Nagamura, T. 205 (2002) 107
Yurkov, M.V., see Saldin, E.L. 205 (2002) 385

Zavartsev, Y., see Czeranowsky, C. 205 (2002) 361
Zhang, Y., C. Gan, K. Lu, C. Li and X. Hou, Raman-enhanced polarization beats in Markovian stochastic fields 205 (2002) 163
Zhao, Q. and Z. Sun, Image-based robot motion simulation 205 (2002) 257
Zhou, G., see Tian, H. 205 (2002) 221
Zhukovsky, S.V., see Gaponenko, S.V. 205 (2002) 49
Zipfel, W., see Ouzounov, D. 205 (2002) 227

ELSEVIER

1 May 2002

Optics Communications 205 (2002) 457–460

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 205

Propagation and scattering

O. Köysal, D. Önal, S. Özder and F. Necati Ecevit, Thickness measurement of dielectric films by wavelength scanning method 1

B. Lü and L. Pan, Propagation of vector Gaussian–Schell-model beams through a paraxial optical ABCD system 7

K.-E. Peiponen, E.M. Vartiainen, J.J. Saarinen and M.O.A. Mäkinen, The dispersion theory of optically linear and nonlinear Bruggeman liquids 17

S. Menon, S.M. Mandel, Q. Su and R. Grobe, Point scatterer phase approximation for electromagnetic and intensity waves in random media 25

A. Nesci, R. Dändliker, M. Salt and H.P. Herzig, Measuring amplitude and phase distribution of fields generated by gratings with sub-wavelength resolution 229

J. Garcia-Sucerquia, R. Castañeda and F.F. Medina, Fresnel–Fraunhofer diffraction and spatial coherence 239

H.J.S. Dorren, G.D. Khoe and D. Lenstra, All-optical switching of an ultrashort pulse using a semiconductor optical amplifier in a Sagnac-interferometric arrangement 247

S. Thomas Lee, B. Aneeshkumar, P. Radhakrishnan, C.P.G. Vallabhan and V.P.N. Nampoori, A microbent fiber optic pH sensor 253

Optical information, image formation and analysis, optical computing

V.V. Spirin, M.G. Shlyagin, S.V. Miridonov and P.L. Swart, Alarm-condition detection and localization using Rayleigh scattering for a fiber-optic bending sensor with an unmodulated light source 37

J. Wang, V.M. Murukeshan and A. Asundi, A novel curvature fringe extraction method from speckle slope fringes 43

S.V. Gaponenko, S.V. Zhukovsky, A.V. Lavrinenko and K.S. Sandomirskii, Propagation of waves in layered structures viewed as number recognition 49

R. Reinisch, M. Neviere, G. Tayeb and E. Popov, Symmetry relations for reflection and transmission coefficients of magneto-optic systems 59

PII: S0030-4018(02)01462-1

J. Feng, X. Chen, C. Fan, X. Li, X. Li, K. Xu and S. Xie, A novel method to achieve various equivalent chirp profiles in sampled Bragg gratings using uniform-period phase masks 71

Q. Zhao and Z. Sun, Image-based robot motion simulation 257

Optical communications

S. Sumriddetchkajorn and N.A. Riza, Fault-tolerant three-port fiber-optic attenuator using small tilt micromirror device 77

V.V. Kapoustine, D.G. Sannikov and A.V. Kazakevitch, lnfluence of annealing on the diffusion characteristics and optical losses of multimode Ag^{+}-glass waveguides 87

J. Canning, E. Buckley, K. Lyttikainen and T. Ryan, Wavelength dependent leakage in a Fresnel-based air–silica structured optical fibre 95

S. Shen, M. Naftaly and A. Jha, Tungsten–tellurite—a host glass for broadband EDFA 101

T. Nagamura, K. Sasaki, F. Iizuka, T. Adachi and I. Yoshida, Ultrafast all-optical spatial light modulation based on complex refractive index changes of copper phthalocyanine-doped polymer film upon photoexcitation in guided mode geometry 107

K.T. Kim and J.W. Song, Investigation of thermo-optically tunable fiber-to-planar waveguide coupler 113

C.J. McKinstrie, Frequency shifts caused by collisions between pulses in dispersion-managed systems 123

R. Driben, A. Orenstein and B.A. Malomed, Stable pulses in a split-step lossy fiber link with lumped amplification and synchronous modulation 139

Z. Jia, M. Chen, K. Xu, Y. Dong and S. Xie, Performance analysis of optical label eraser 265

L.R. Chen, Design of flat-top bandpass filters based on symmetric multiple phase-shifted long-period fiber gratings 271

S. Boscolo, S.K. Turitsyn and K.J. Blow, All-optical passive quasi-regeneration in transoceanic 40 Gbit/s return-to-zero transmission systems with strong dispersion management 277

N. Dixit, D.D. Shah and R. Vijaya, Optimization study for the generation of high-bit-rate spectrally enriched pulses for WDM applications 281

S. Hsu, L.-H. Su and Y.-K. Chen, Optically gain-clamped wideband erbium-doped fiber amplifier using a common figure-eight feedback-loop lasing light 293

A.M. Melo, J.L.S. Lima, R.S. de Oliveira and A.S.B. Sombra, Photonic time-division multiplexing (OTDM) using ultrashort picosecond pulses in a terahertz optical asymmetric demultiplexer (TOAD) 299

F.J. Duarte, Secure interferometric communications in free space 313

J. Kim, J. Park, S. Chung, N. Park, B. Lee and K. Jeong, Bidirectional wavelength add/drop multiplexer using two separate MUX and DEMUX pairs and reflection-type comb filters 321

Atomic and molecular physics

T. Nakamura, M. Wada, K. Okada, I. Katayama, S. Ohtani and H.A. Schuessler, Precision spectroscopy of the Zeeman splittings of the $^9Be^+2^2S_{1/2}$ hyperfine structure for nuclear structure studies 329

G. Fang, Y. Mo, Y. Song, Y. Wang, C. Li and L. Song, Nonlinear refractive properties of organometallic fullerene-C_{60} derivatives 337

Condensed matter

A.B. Djurišić, C.Y. Kwong, T.W. Lau, W.L. Guo, E.H. Li, Z.T. Liu, H.S. Kwok, L.S.M. Lam and W.K. Chan, Optical properties of copper phthalocyanine 155

H.-P. Chiang, A.H. La Rosa, P.T. Leung, K.P. Li and W.S. Tse, Optical spectroscopy for single-molecules near a microstructure at varying substrate temperatures 343

Quantum optics

Y. Zhang, C. Gan, K. Lu, C. Li and X. Hou, Raman-enhanced polarization beats in Markovian stochastic fields 163

Laser physics and laser sources

P. Besnard, F. Ginovart, P. Le Boudec, F. Sanchez and G.M. Stéphan, Experimental and theoretical study of bifurcation diagrams of a dual-wavelength erbium-doped fiber laser 187

J.M. Hendricks, D.I. Hillier, S.J. Barrington, D.P. Shepherd, R.W. Eason, M.J. Damzen, A. Minassian and B. Thompson, Power scaling of continuous-wave adaptive gain-grating laser resonators 197

B. Agate, B. Stormont, A.J. Kemp, C.T.A. Brown, U. Keller and W. Sibbett, Simplified cavity designs for efficient and compact femtosecond Cr:LiSAF lasers 207

P. Weßels, M. Auerbach and C. Fallnich, Narrow-linewidth master oscillator fiber power amplifier system with very low amplified spontaneous emission 215

H.N. Chapman and K.A. Nugent, X-ray pulse compression using strained crystals 351

C. Czeranowsky, M. Schmidt, E. Heumann, G. Huber, S. Kutovoi and Y. Zavartsev, Continuous wave diode pumped intracavity doubled Nd : $GdVO_4$ laser with 840 mW output power at 456 nm 361

M. Wrage, P. Glas, D. Fischer, M. Leitner, N.N. Elkin, D.V. Vysotsky, A.P. Napartovich and V.N. Troshchieva, Phase-locking of a multicore fiber laser by wave propagation through an annular waveguide 367

M.A.M. El-Osealy, T. Jitsuno, K. Nakamura and S. Horiguchi, Gain characteristics of longitudinally excited F_2 lasers 377

E.L. Saldin, E.A. Schneidmiller and M.V. Yurkov, Scheme for time-resolved experiments based on the generation of femtosecond pulses by a sideband-seeded soft X-Ray SASE FEL 385

A. Barsella and C. Lepers, Chaotic lag synchronization and pulse-induced transient chaos in lasers coupled by saturable absorber 397

O. Jennrich, G. Newton, K.D. Skeldon and J. Hough, A high power photodetection system for use with laser interferometric gravitational wave detectors 405

N.M. Khaidukov, S.K. Lam, D. Lo and V.N. Makhov, Observation of Time-transient spectral narrowing at 309 nm in Ce^{3+} doped SrF_2 crystal 415

G.G. Karapetyan, A.V. Daryan, D.M. Meghavoryan and N.E. Gevorgyan, Theoretical investigation of active fiber Bragg grating 421

Nonlinear optics

H. Tian, Z. Li and G. Zhou, Stable propagation of ultrashort optical pulses in modified higher-order nonlinear Schroedinger equation 221

D.A. Oulianov, A.S. Dvornikov and P.M. Rentzepis, Optical limiting and picosecond relaxation of carbocyanines upper electronic states 427

A. Petris, M.J. Damzen and V.I. Vlad, Adaptive self-aligning, bi-directional interconnection using double phase conjugation in $Rh:BaTiO_3$ 437

Erratum

D. Ouzounov, D. Homoelle, W. Zipfel, W.W. Webb, A.L. Gaeta, J.A. West, J.C. Fajardo and K.W. Koch, Dispersion measurements of microstructured fibers using femtosecond laser pulses [Opt. Commun. 192 (2001) 219–223] 227